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Applicant : Andrew W. Shyjan
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-- 29. An antibody which specifically binds a polypeptide selected from the group consisting of the polypeptide of SEQ ID NO:9 and the polypeptide of SEQ ID NO:7.

30. The antibody of claim 29 wherein the antibody is a monoclonal antibody.

31. The antibody of claim 29 wherein the antibody is a polyclonal antibody.

32. The antibody of claim 29 wherein the antibody is detectably labeled.

33. The antibody of claim 32 wherein the label is a fluorescent compound.

34. The antibody of claim 33 wherein the fluorescent compound is selected from the group consisting of fluorescein isothiocyanate, rhodamine, phycoerythrin, phycocyanin, allophycocyanin, o-phthaldehyde and fluorescamine.

35. The antibody of claim 32 wherein the label is a chemiluminescent compound.

36. The antibody of claim 35 wherein the chemiluminescent compound is selected from the group consisting of luminol, isoluminol, thermotropic acridinium ester, imidazole, acridinium salt and oxalate ester.

37. The antibody of claim 32 wherein the label is a bioluminescent compound.

38. The antibody of claim 37 wherein the bioluminescent compound is selected from the group consisting of luciferin, luciferase, and aequorin.

39. The antibody of claim 32 wherein the label is a radioactive compound.

40. The antibody of claim 29 wherein the antibody is linked to an enzyme.

41. The antibody of claim 40 wherein the enzyme is selected from the group consisting of malate dehydrogenase, staphylococcal nuclease, delta-5-steroid isomerase, yeast alcohol dehydrogenase, alpha-glycerophosphate dehydrogenase, triose phosphate isomerase, horseradish peroxidase, alkaline phosphatase, asparaginase, glucose oxidase, beta-galactosidase, ribonuclease, urease, catalase, glucose-6-phosphate dehydrogenase, glucoamylase and acetylcholinesterase.

42. The antibody of claim 29 wherein the antibody is linked to solid phase support.

43. The antibody of claim 29 wherein the antibody is a human antibody.

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44. A polypeptide fragment of the antibody which specifically binds a polypeptide selected from the group consisting of the polypeptide of SEQ ID NO:9 and the polypeptide of SEQ ID NO:7.

45. The polypeptide fragment of claim 44 wherein the polypeptide fragment is a Fab fragment or a F(ab')₂ fragment.--